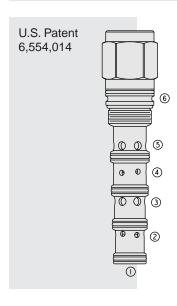
PE42-S67H Proportional, Pilot Operated

DESCRIPTION



OPERATION

When the **PE42-S67H** is in neutral position port ③ is blocked and ports ② and ④ are connected to ⑤. When the remote pilot signal at ① exceeds the force of the bias spring the spool shifts proportionally to the applied pilot pressure to allow flow from ③ to ④ through a load such as a hydraulic cylinder or motor, and then from ② to ⑤, and to tank. When the pilot signal at ⑥ exceeds the force of the bias spring the spool shifts proportionally to the applied force to allow flow from ③ to ② and from ④ to ⑤. When the pilot signal is less than the force of the bias spring the spool will return to the center position. **The spool is symmetrical and provides meter-in and meter-out control.**

A screw-in, cartridge-style, proportional, spring-centered, pilot-operated spool-type

FEATURES

- · Hardened spool and cage for long life.
- · Cost-effective cavity.
- Excellent metering characteristics.
- · Good linearity.

RATINGS

Maximum Operating Pressure: Port 3: 345 bar (5000 psi)

hydraulic directional valve with neutral position bleed-to-tank.

Ports ② and ④: 240 bar (3500 psi) Ports ① and ⑥: 27.6 bar (400 psi)

Orifice Diameter: Between ports 2 and 4 and port 5 in neutral position: 0.030 in.

Flow: 0-170 lpm (0-45 gpm); See Performance Chart

Internal Leakage: 1180 ml/minute (72 cu. in./minute) at 207 bar (3000 psi)

Temperature: -40 to 120°C with standard Buna N seals

Filtration: See page 9.010.1

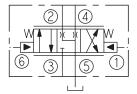
Fluids: Mineral-based or synthetics with lubricating properties at viscosities of 7.4 to 420 cSt (50 to 2000 sus); See Temperature and Oil Viscosity, page 9.060.1

Installation: No restrictions; See page 9.020.1

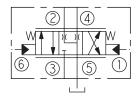
Cavity: VC42-S6; See page 9.142.1 Cavity Tool: CT42-S6; See page 8.600.1 Seal Kit: SK42-S6X-BMMMM; See page 8.650.1

SYMBOLS

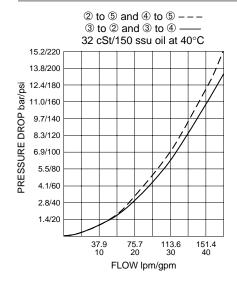
USASI:

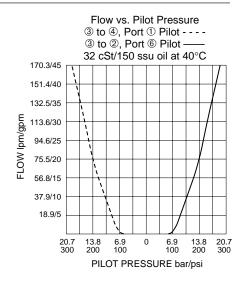


ISO:



PERFORMANCE (Cartridge Only)

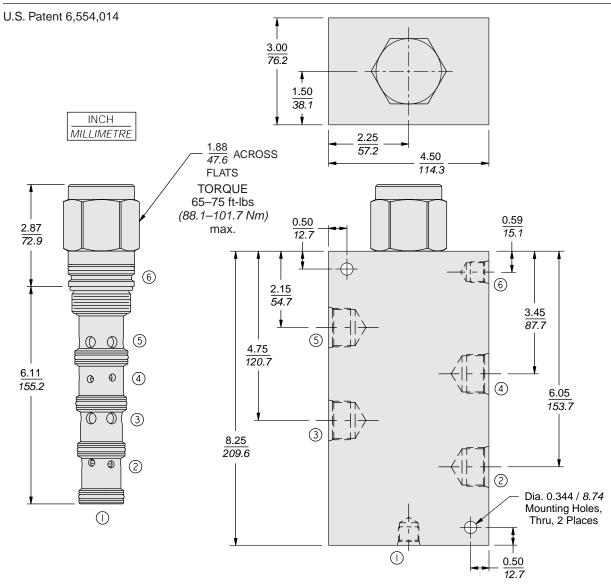






PE42-S67H

DIMENSIONS



MATERIALS

Cartridge: Weight: 0.76 kg. (1.68 lbs.) Steel with hardened work surfaces. Zinc-plated exposed surfaces. Buna N O-rings and polyester elastomer back-ups standard.

Ported Body:Ductile Iron, Rated to 345 bar (5000 psi). See page 8.042.1

TO ORDER

